

- 5 - IAP20 Received 20 JAN 2006
CLAIMS

1. A device for adjusting the grinding of a condiment in a mill consisting of a drive element comprising a thimble 6, a thimble support 4, a wheel 9 and a fixing annulus 11 for fixing to the mill, the device being characterized in that the rotational movement of an adjustment ring 3, fitted with an adjustment stop 5, results in a translational movement of said thimble support 4; this latter movement being limited both by the stop 5 and a reinforcement 15 located on the outside upper face of the thimble support 4.
2. The device for adjusting the grinding of a condiment in a mill, as claimed in claim 1, characterized in that said adjustment ring 3 is provided with an internal screw thread 14.
3. The device for adjusting the grinding of a condiment in a mill, as claimed in either of the preceding claims, characterized in that said adjustment ring 3 clips onto said fixing annulus 11 by means of plastic teeth 13.
4. The device for adjusting the grinding of a condiment in a mill, as claimed in one of the preceding claims, characterized in that said adjustment stop 5 of said adjustment ring 3 is provided with an indexing bar 12 for the adjustment ring 3, and with a sensitive adjustment system.
5. The device for adjusting the grinding of a condiment in a mill, as claimed in one of the preceding claims, characterized in that the thimble support 4 is provided with notches 16 designed to take the indexing bar 12 of said adjustment stop 5 of said adjustment ring 3.

6. The device for adjusting the grinding of a condiment in a mill, as claimed in one of the preceding claims, characterized in that said thimble support 4 comprises an outside screw thread 17 that is interrupted at regular intervals.

7. The device for adjusting the grinding of a condiment in a mill, as claimed in one of the preceding claims, characterized in that the thimble support 4 is provided with screw columns 18 on its underside.

8. The device for adjusting the grinding of a condiment in a mill, as claimed in the preceding claims, characterized in that said wheel 9 is held in position by the thrust stop.

9. The device for adjusting the grinding of a condiment in a mill, as claimed in the preceding claims, characterized in that said thrust stop is held in position by circlips and springs.

10. The device for adjusting the grinding of a condiment in a mill, as claimed in one of the preceding claims, characterized in that the range of movement of said adjustment ring 3 on said thimble support 4 is 3 mm.

11. The device for adjusting the grinding of a condiment in a mill, as claimed in one of the preceding claims, characterized in that the attachment ring 11 is provided with a protective collar 21 on its inside top part.

12. The device for adjusting the grinding of a condiment in a mill, as claimed in one of the preceding claims, characterized in that the pitch or angle of the stop 5 is variable.